

Converting Colors

XYZ(24.8012, 12.2040, 27.4340)

Have a look what the booklet for
XYZ(24.8012, 12.2040, 27.4340)
contains.

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Color

**XYZ(24.8012, 12.2040,
27.4340)**

Conversions

Conversions Part 1

Format	Color
Hex	B80090
RGB	184, 0, 144
RGB Percent	72%, 0%, 56%
CMY	0.2784, 0.9999, 0.4353
CMYK	0.00, 1.00, 0.22, 0.28
HSL	313°, 100%, 36%
HSV	313°, 100%, 72%
XYZ	24.8012, 12.2040, 27.4340
YIQ	71.4320, 63.4400, 83.7920

Conversions

Conversions Part 2

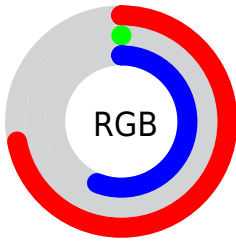
Format	Color
RYB	184, 0, 144
Decimal	12058768
CIELab	41.54, 71.50, -27.12
CIElCh	42, 76.466, 339.230
Yxy	12.2040, 0.3849, 0.1894
Android (android.graphics.Color)	4290248848 (0xFFB80090)
YUV	71.4320, 35.7760, 98.7221
Hunter-Lab	34.9342, 65.5894, -22.1067

Details

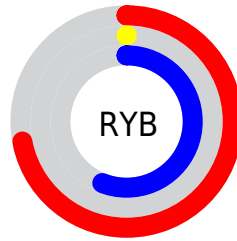
The XYZ color **24.8012, 12.2040, 27.4340** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **17.5244, 34.4347, 7.7330**, and the grayscale version is **5.9988, 6.3112, 6.8729**.

A 20% lighter version of the original color is **50.7498, 29.8073, 56.5047**, and **10.5800, 5.2259, 10.8070** is the 20% darker color. If you saturate the color by 10%, you get **24.8008, 12.2038, 27.4315**, and if you desaturate by 10%, it is **25.3359, 12.7752, 29.1479**.

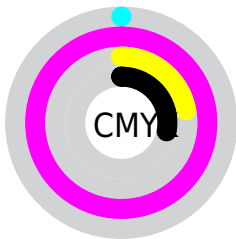
Distribution



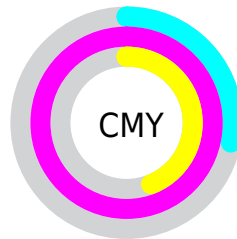
- Red (72%)
- Green (0%)
- Blue (56%)



- Red (72%)
- Yellow (0%)
- Blue (56%)



- Cyan (0%)
- Magenta (100%)
- Yellow (22%)
- Black (28%)



- Cyan (28%)
- Magenta (100%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8012, 12.2040, 27.4340 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 24.8012, 12.2040, 27.4340 by changing the saturation by 10% instead.


 24.8012, 12.2040,
27.4340


 24.8012, 12.2040,
27.4340


269.2124,
205.7512, 303.5788


 16.0569, 6.8828,
17.6641


 50.7797, 29.8661,
56.5917

 9.6556, 3.3889,
10.5422


 68.7448, 42.9758,
76.8166


 5.2317, 1.3380,
5.6496

 90.5140, 59.4504,
101.3636

 2.4200, 0.1703,
2.5679

 116.4530, 79.6743,
130.6512

 0.8551, 0.0000,
0.8758

 146.9269,
104.0319, 165.0980

 0.0000, 0.0000,
0.0000

 182.3013,

132.9077, 205.1225

222.9413,
166.6860, 251.1432

■ 24.8012, 12.2040,
27.4340

■ 24.8012, 12.2040,
27.4340

■ 24.8008, 12.2038,
27.4315

■ 25.3359, 12.7752,
29.1479

■ 26.0911, 13.7700,
30.9892

■ 27.1453, 15.3450,
32.9846

■ 28.5368, 17.5768,
35.1476

■ 30.2981, 20.5303,
37.4895

■ 32.4579, 24.2625,
40.0202

■ 35.0419, 28.8248,
42.7490

■ 38.0737, 34.2641,
45.6840

■ 41.5751, 40.6239,
48.8332

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.7941, 12.2040, 54.1291



24.8012, 12.2040, 27.4340



25.7394, 12.2040, 8.9436

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



24.8012, 12.2040, 27.4340



9.9623, 12.2040, 0.0000



5.1155, 12.2040, 43.7337

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



24.8012, 12.2040, 27.4340



17.5244, 34.4347, 7.7330

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



3.9053, 12.2040, 18.8513



24.8012, 12.2040, 27.4340



6.0512, 12.2040, 0.8660

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



24.8012, 12.2040, 27.4340



15.8353, 12.2040, 0.0085



4.1818, 12.2040, 5.0988



8.1957, 12.2040, 67.6987

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



24.8012, 12.2040, 27.4340



23.7075, 12.2040, 3.2225



4.1818, 12.2040, 5.0988



4.5299, 12.2040, 34.6491

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



24.8016, 12.2046, 27.4342



63.2607, 51.7859, 77.2287



9.5229, 3.9103, 45.6004



13.1982, 10.3848, 16.1949



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.8016, 12.2046, 27.4342



44.8656, 22.0857, 49.2399



20.3909, 10.4403, 4.2076



9.2951, 9.1284, 10.9012



17.1195, 8.4215, 19.0478



0.6246, 0.3053, 0.7826

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



24.8016, 12.2046, 27.4342



44.8656, 22.0857, 49.2399



21.2972, 35.9438, 27.6004



9.2951, 9.1284, 10.9012



17.1195, 8.4215, 19.0478



0.6246, 0.3053, 0.7826

Previews

White Background



This preview shows how the XYZ color 24.8012, 12.2040, 27.4340 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

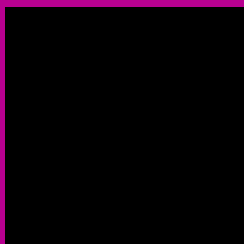
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8012, 12.2040, 27.4340

Background



This preview shows how black text looks on a background with the XYZ color 24.8012, 12.2040, 27.4340.



This preview shows how white text looks on a background with the XYZ color 24.8012, 12.2040,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

24.8012, 12.2040, 27.4340

Protanopia

15.4423, 13.0475, 58.8313

Deuteranopia

13.1494, 12.8971, 24.7180



Tritanopia

20.4102, 12.5996, 5.6312

Trichromacy



Original Color

24.8012, 12.2040, 27.4340



Protanomaly

13.3906, 8.4849, 45.1880



Deuteranomaly

14.8224, 9.7500, 25.1455



Tritanomaly

21.3416, 11.7204, 11.0350

Monochromacy



Original Color

24.8012, 12.2040, 27.4340



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.8251, 6.2034, 12.2348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8012, 12.2040, 27.4340 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(184, 0, 144)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 144)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(184, 0, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 144) }
```

Border

The CSS property to change the border of an element to XYZ 24.8012, 12.2040, 27.4340 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(184, 0, 144) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(184, 0, 144) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(184, 0, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 144);  
box-shadow:4px 4px 4px 4px rgb(184, 0,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8012, 12.2040, 27.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 144) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(184, 0,  
144) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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